Reply to International Search Report (Translation)

The CN2221620Y (referenced document one) and CN2381761Y (referenced document two) was referenced by the International Preliminary Examination Authority against claims 1, 4,5 and 6.

The International Preliminary Examination Authority held that despite of the fact that the referenced document one did not disclose the supporting attachment (3) installed at the connecting location of the ladder belt (6) and ladder rung (4), however, said claims 1, 4 and 5 are obvious to any technical people in the relevant field in comparison with the referenced document one, which means non-conformity with the involvement on Inventive step (to be non-obvious) stipulated in the Article 33 (3) of PCT. Based on the referenced document one with referenced document two combined, a conclusion is reached that the technical design in said claim 6 for protection is obvious to technical people, so, said claim 6 is not in conformity with the inventive step (to be non-obvious) stipulated in the Article 33 (3) of PCT.

The applicant, however, did not agree with the above preliminary examination opinions and overcome the examiner's rejections with the following arguments:

The referenced document one refers to a folding emergency ladder, which comprises two hooks (1), two cords (6) fixed to ends of the two hooks (1) and rungs (4) fixed to the two cords. Although there is also a strip-shaped supporting plate (3), such supporting plate (3) is fixed to ends of said hooks (1), functioning to form a hooking-and-hanging device together with the connecting plate (2) and the two hooks (1) at top of said emergency ladder, while in this patent application there are multiple supporting attachments (6) that are installed at the connections of the ladder belts (4) and ladder rungs (5), functioning to keep the ladder rungs at a certain distance from the wall surface to facilitate ladder users to climb. Conclusion: shapes, structures, locations, their functions and performances of the two ladders are totally different. This patent application is essentially different from the referenced document one, and said claim 1 together with claims 4, 5 do confirm to the Article 33 (3) for involvement on inventive step (non-obvious) of PCT.

The referenced document two refers to another emergency ladder for multi-storied buildings, which has rungs (3) wrapped with fire-retardant asbestos cloth that only functions to prevent fire, while the rungs (5) in this patent application have outer layers of fire-retardant braided belts that can not only prevent fire but also greatly increase strength of the rungs (5) and facilitate their fixing onto the left and right ladder belts (4). Conclusion: functions and performances of the two ladders are substantially different, and said claim 6 also conforms to the Article 33 (3) for involvement on inventive step (non-obvious) of PCT.

The International Preliminary Examination Authority is hereby kindly asked to take the above opinions of the applicant into consideration and make re-evaluations on said claims 1, 4, 5 and 6 for their novelty, involvement on inventive step and industrial applicability.

After receipt of opinions and statements of the applicant, the International Preliminary Examination Authority made re-examination on novelty, involvement on inventive step and industrial applicability of PCT/CN03/00878 and the examiner withdrew his rejection, issued a preliminary examination report making affirmation that all said claims 1 to 6 meet the requested novelty, involvement on inventive step and industrial applicability of the Article 33 (2), (3), (4) of PCT.

referenced document on e

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[19]中华人民共和国专科局

115 MERS CN 2221626Y



[12] 实用新型专利说明书

[21] ZL. 中科号 95209669.2

日 6 民 6 年 9 46年 1946年 1月 6日

[51 Hat.Cl

EMF 11 /.06

pap申请报 95.5.9 palitem 95.(2.9 (73)专科区人 前辈市里水华达战员厂 始於 524244广京省南海市里水体医验路 770数什人 养智统

短山中操令 95209669.2 (24)专科化组织的 广州市专利率参照 光明人 黄大宇

B06C 1/56

独利高水均 1 页 说明书 2 页 附配页数 2 页

164次为新数4等 折叠式微生器

本实用新型是一种折叠式做纸梯,理合实里做筑 上的人员在发生火灾或出现繁命事故下依赖。本实所 胡塑似指吊钩、连接板、静帆和绳子,它的吊钩有兰 个,吊钩由金属管弯曲圆成,吊钩的头部为弯钩,后 的的复数是直接状,每个品物的模律均需是一条单纹 主体权、连续权的二个温孔分别变化二个品物的模 48、连锁征放在条状文章板的上面,吊钩的领部有一 **个整国品的与纯子的国定针。本实用获型结构简单、** 体积小、使用安全可靠、最家庭、实体理想的应急参 生物。



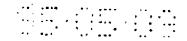
(BJ)第 1452 等

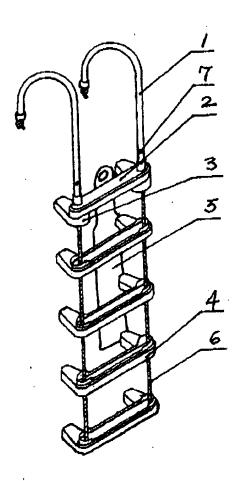
000002 (2144x3030x2 tiff)



1、一种折叠式教生梯,它包括吊钩、连接板、踏板和绳子, 其特征在于、此吊钩(1)有二个,吊钩(1)由金属管弯曲而成,吊钩 (1) 的头部为弯钩, 吊钩(1) 的根部呈直线状, 每个吊钩(1) 的根部 有一条条状支撑板(3),条状支撑板(3)的一端与吊钩(1)的根部季 宣、并与吊钩(1)根部紧固,条状支撑板(3)的另一端与吊钩(1)的 弯钩间向,并与吊钩(1)在同一平面上;连接板(2)有二个通孔,连 接板(2)的二个通孔分别套住二个吊钩(1)的根部,连接板(2)放在 条状支撑板(3)的上面,吊钩(1)的根部有一个擘面吊钩(1)与绳子 (6)的固定钉(7), 踏板(4)是凸形的壳体, 踏板(4)的麻嵴有凹槽。

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reference document two

1 (1920x2760x2 tiff)

[19]中华人民共和盟疆蒙知识产权局

[51] lat. Cl7

E86C 1/383

[12] 实用新型专利说明书

[21] ZL 中科學 96206371.8

[45] 假根免费目 2000年6月7日

[11]振教会告号 CN 2381761Y

[22]申韓日 1998.9.14 [24]銀笹日 2000.3.24 [79]を明装人 柴脂族

华社 (221410 内配合自给医物州是市外扩展员 果五人在宅 166 号

[72]包针人 张斯宾

[21]**PSP 98208371.8**

权利要求书1页 说明书1页 尚數页數3页

[54]美国新国名帝 被身款生等于

[97]論課

一种物质似生物等于,是由等头往前(1)(2)与钢丝 绳(5)均排操(5)连续整置等组成。平时调整接偿(1)与 (2)的尺寸,折量起来便予保容。 使用时可养等头统在 曾台灣開台上再起其余部分推下去。號夢底一部軟棒子。 本实用影響館物简单,使于被声景景使用,是被声火灾 专其它意外事故故生 的理想工具。

专利文献出版社出版

权 利要求

一种折叠铁梯子,梯头是由推出(1)(2)组成其特征在于挂货(1) 同途也 (2) 可折叠合并,差售 (1) 可非动调整尺寸,缝也 (2) 内有孔。 铜丝绳(5)有边缘皮脂集(3)有粗燃石棉布和玻璃钢集构成、潴集(3) 內有暗铜板(6)卡子(4)包有绝缘皮构成一条软梯子。



说明书

得唐教生养于

本实用被型是一种高楼器民献生的新量椰子,人们通常用的椰子 是些商。而这种椰子是在楼房发生火灾时,从窗户或配合松下后可默 脸的折叠椰子。这种椰子那圆嫩,又不寻电,平时放置不占太大空间。

本实用新型的解决方案是这样实现的。

本实用新型是由伸縮,又可折叠的帶头(1)(2)为挂头。由两根 侧丝绳和外边绝缘皮(5)。钢丝绳构或两根玻璃钢像徐过的崩聚(8) 的连筋,暗染内有暗铁板(8),暗染由侧卡子(4)蟹圆所组成的一个 整体,就形成一个等于。

本实用新型的实施例如附额所示:

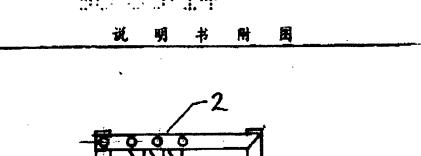
財團 1 是本实用新型上部是开蜡棉示意图。

附回 2 是排头和路路与钢丝绳络传示发图。

影图 3 是侧丝绳与赌集票图卡子的结构示意图。

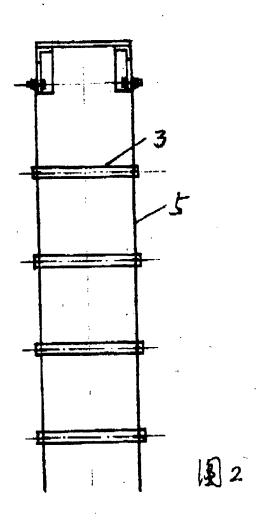
在本实施例中卡子 (4) 制载绳 (5) 是金属材料者上绝缘度,畸聚 (3) 两头与钢丝绳连接处用金属片包住并固定。梯子折叠时存在份 (1) (2) 合并一點,精聚 (3) 和钢丝绳 (5) 新叠收据。

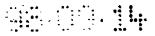




-3-







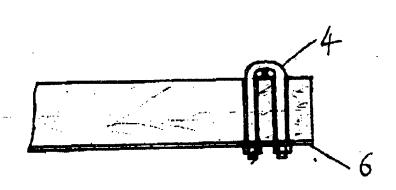


图3